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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/798,045	03/11/2004	Reinhard H. Hohensee	BLD20030031US1	4968
50441 7590 03/04/2008 DUFT BORNSSEN & FISHMAN, LLP 1526 SPRUCE STREET SUITE 302 BOULDER, CO 80302			EXAMINER WILLS, LAWRENCE E	
			ART UNIT 2625	PAPER NUMBER
			MAIL DATE 03/04/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No. 10/798,045	Applicant(s) HOHENSEE ET AL.	
	Examiner LAWRENCE E. WILLS	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 11 March 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-39 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) ✓            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)     | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) ✓ | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-4, 6-10, 12-17, 19-23, 25-30, 32-37, 38, and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Atkin (US Application No. 2003/0023590) in view of Teradaira (US Patent No. 6,906,811).

Regarding claims 1, 14, and 27, Atkin'590 teaches a data processing system for identifying complex text comprising: circuitry operable for (Fig. 2), if a presentation data stream contains a complex text string (Step 41 in Fig. 4), inserting before said complex text string a preselected control (i.e. metatag) in the presentation data stream (Step 42 in Fig. 4), wherein the preselected control corresponds to a plurality of parameters for controlling processing of complex text (in Steps 44 and 45, one or more parameters are inserted into the metadata), each parameter represented by a corresponding value in the preselected control (notice Table 6, paragraph [0078]), a first parameter having a value indicating a control type for controlling processing of complex text (notice Table 6, paragraph [0078]).

Atkin'590 fails to teach a parameter taking one or more values for enabling and disabling the processing of complex text.

Teradaira'811 teaches a parameter taking one or more values for enabling and disabling the processing of complex text (disabling and enabling, column 15, lines 25-32).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 2, 15, and 28, Atkin'590 teaches the processing of complex text (decoding of encoding process, paragraph [0078]). Atkin'590 fails to teach wherein the one or more values for enabling and disabling the processing of complex text comprise a set of values for enabling and disabling a first type of processing of complex text.

Teradaira'811 teaches wherein the one or more values for enabling and disabling the processing comprise a set of values for enabling and disabling (disabling and enabling, column 15, lines 25-32) a first type of processing (real-time processing, column 15, lines 25-32).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 3, 16, and 29, the combination of Teradaira'811 (as explained above) and Atkin'590 teaches wherein the first type of processing of complex text comprises bidirectional (bidi) processing (three tags for bidirectional processing in paragraph [0104] and explained further in paragraphs [0105-0110]).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 4, 17, and 30, Atkin'590 teaches the processing of complex text (decoding of encoding process, paragraph [0078]) and wherein the plurality of parameters further includes a third parameter (Step 45, Fig. 4) and a second type of processing of complex text (Step 48, Fig. 4). Atkin'590 fails to teach a parameter takes one or more values for enabling and disabling a type of processing.

Teradaira'811 teaches wherein a parameter takes one or more values for enabling and disabling (disabling and enabling, column 15, lines 25-32) a type of processing (real-time processing, column 15, lines 25-32).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the

time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 6, 19, and 32, the combination of Teradaira'811 (as explained above) and Atkin'590 teaches wherein the plurality of parameters further includes a third parameter, the third parameter taking a value comprising an alternate text position (ELM tag, paragraphs [0094-0097] in addition, the DIR and MIR tags, paragraph [0104]).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 7, 20, and 33, Atkin'590 teaches a data processing system for processing complex text comprising: circuitry operable for, responsive to a first predetermined type of control in a presentation data stream (i.e. Step 42, Fig. 4), wherein the first predetermined type of control includes a first parameter (i.e. Step 44, Fig. 4) represented by a corresponding value in the first predetermined type of control for controlling a first type of complex text processing (notice Table 6, paragraph [0078]): circuitry operable for applying the first type of

complex text processing to a complex text string succeeding said first predetermined type of control in the presentation data stream (notice Table 6, paragraph [0078]). Atkin'590 fails to teach determining if a first type of complex text processing is enabled.

Teradaira'811 teaches circuitry operable for (Fig. 1), determining if a first type of complex text processing is enabled (disabling and enabling, column 15, lines 25-32).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 8, 21, and 34, the combination of Teradaira'811 (as explained above) and Atkin'590 teaches wherein the first type of complex text processing comprises bidirectional (bidi) processing (three tags for bidirectional processing in paragraph [0104] and explained further in paragraphs [0105-0110]).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 9, 22, and 35, Atkin'590 teaches the processing of complex text includes one or more values for determining a paragraph direction for the bidirectional processing of the complex text (PAR and DIR tags, paragraph [0104]). Atkin'590 fails to teach a parameter takes one or more values for enabling and disabling a type of processing.

Teradaira'811 teaches wherein a parameter takes one or more values for enabling and disabling (disabling and enabling, column 15, lines 25-32) a type of processing (real-time processing, column 15, lines 25-32).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 10, 23, and 36., Atkin'590 teaches wherein the first predetermined type of control includes a second parameter represented by a corresponding value in the predetermined type of control for controlling a second type of complex text processing (i.e. three tags for bidirectional processing in paragraph [0104] and explained further in paragraphs [0105-0110]), the system further comprising: circuitry operable for applying the second type of complex text processing to the complex text string succeeding said first predetermined type of



control in the presentation data stream (i.e. MIR tag, paragraph [0107]). Atkin'590 fails to teach circuitry operable for determining if a second type of complex text processing is enabled.

Teradaira'811 teaches circuitry operable for determining if a second type of complex text processing is enabled (disabling and enabling, column 15, lines 25-32).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 12, 25, and 38, Atkin'590 teaches a second predetermined type of control (metatag) including a parameter (parameter) represented by a corresponding value (Table 6, paragraph [0078]) for processing complex text in the presentation data stream (Fig. 4). Atkin'590 fails to teach including a parameter represented by a corresponding value in the second predetermined type of control operable for disabling the first type of complex text processing, determining if the first type of complex text processing is disabled; and if the first type of complex text processing is disabled, overriding said step of applying the first type of complex text processing to the complex text string.

Teradaira'811 teaches including a parameter represented by a corresponding value in a predetermined type of control operable for disabling the first type of processing, determining if the first type of complex text processing is disabled; and if the first type of complex text

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processing is disabled, overriding said step of applying the first type of complex text processing to the complex text string (column 15, lines 25-32).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

Regarding claims 13, 26, and 39, Atkin'590 teaches wherein the first predetermined type of control (metatag) includes a second parameter (parameter, Fig.4) represented by a corresponding value in the first predetermined type of control for determining an alternate text position (ELM tag, paragraphs [0094-0097] in addition, the DIR and MIR tags, paragraph [0104]), the data processing system including circuitry operable for setting a text position using said alternate text position (i.e. MIR tag, paragraph [0107]). Atkin'590 fails to teach if the first type of complex text processing is enabled.

Teradaira'811 teaches determining if the first type of processing is enabled (column 15, lines 25-32).

Having a system of Atkin'590 reference and then given the well-established teaching of Teradaira'811 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the Atkin'590 reference to include a function for enabling and disabling processing as taught by

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Teradaira'811 reference. This modification would allow for increased flexibility and would make the system of inserting metatags into Unicode more effective.

3. Claims 5, 11, 18, 24, 31, and 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Atkin (US Application No. 2003/0023590) in view of Teradaira (US Patent No. 6,906,811) as applied to claims 4, 10, 17, 23, 30, and 36 above, and further in view of Bloomberg et al. (US Patent No. RE38,758).

Regarding claims 5, 11, 18, 24, 31, and 37, the combination of Teradaira'811 and Atkin'590 fails to teach wherein the second type of processing of complex text comprises glyph processing.

Bloomberg'758 teaches the processing of complex text that comprises glyph processing (notice numbers 131, 132 and 136,137 in Fig. 10, in addition, column 15, lines 1-10).

Having a system of Atkin'590 reference in view of Teradaira'811 reference and then given the well-established teaching of Bloomberg'758 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of inserting metatags into Unicode from the combination of the Atkin'590 reference and Teradaira'811 reference to include a processing of glyphs as taught by Bloomberg'758. This modification would allow for increased flexibility and versatility in the system of inserting metatags into Unicode.

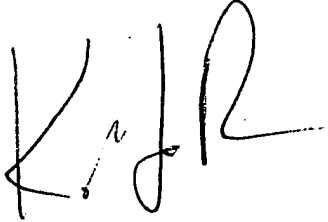
*Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAWRENCE E. WILLS whose telephone number is (571)270-3145. The examiner can normally be reached on Monday-Friday 9:30 AM - 6:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, King Poon can be reached on 571-272-7440. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LEW  
February 28, 2008



KING Y. POON  
SUPERVISORY PATENT EXAMINER